

ABSTRACT

An MPEG video decoding system with a PVR (Personal Video Recorder) function is disclosed. By applying the PVR function to an MPEG-2 decoder chip, which is the standard recommendation of the digital video transmission field, diverse high-performance PVR services such as video storage and search using an HDD application in the video decoder chip can be used, and two HD-class displays can simultaneously be supported. Also, the features of the video TS bitstream stored through the video decoding chip having a proposed PVR engine can be extracted in real time, and the playback or trick play of the stored video contents can be diversely and easily performed. According to the PVR-support video decoding system, an improved storage and search function of a video bitstream, and diverse video services can be provided, and the added value of the digital video recorder can be heightened.